Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	523	(544/280).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/02/10 13:02
L2	338	(514/265.1).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/02/10 13:02
L3	6	(("5698581") or ("20050014758") or ("20050026989")).PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/02/10 13:03
L4	3	("5852046").PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/02/10 13:06
L5	1	("0708091").PN.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/02/10 13:06

```
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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


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 NEWS  2           "Ask CAS" for self-help around the clock
 NEWS  3  DEC 05   CASREACT(R) - Over 10 million reactions available
 NEWS  4  DEC 14   2006 MeSH terms loaded in MEDLINE/LMEDLINE
 NEWS  5  DEC 14   2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
 NEWS  6  DEC 14   CA/CAplus to be enhanced with updated IPC codes
 NEWS  7  DEC 21   IPC search and display fields enhanced in CA/CAplus with the
                   IPC reform
 NEWS  8  DEC 23   New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
                   USPAT2
 NEWS  9  JAN 13   IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
 NEWS 10  JAN 13   New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
                   INPADOC
 NEWS 11  JAN 17   Pre-1988 INPI data added to MARPAT
 NEWS 12  JAN 17   IPC 8 in the WPI family of databases including WPIFV
 NEWS 13  JAN 30   Saved answer limit increased
 NEWS 14  JAN 31   Monthly current-awareness alert (SDI) frequency
                   added to TULSA

 NEWS EXPRESS  JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
               V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
               http://download.cas.org/express/v8.0-Discover/

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FILE 'HOME' ENTERED AT 13:14:51 ON 10 FEB 2006

=> fil reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                    0.21        0.21
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FILE 'REGISTRY' ENTERED AT 13:15:05 ON 10 FEB 2006

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 8 FEB 2006 HIGHEST RN 873837-20-8
DICTIONARY FILE UPDATES: 8 FEB 2006 HIGHEST RN 873837-20-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

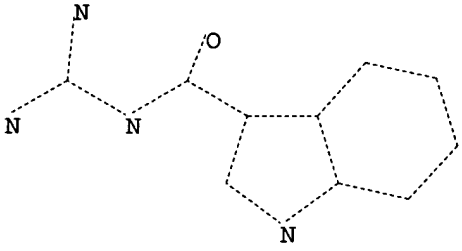
****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
****

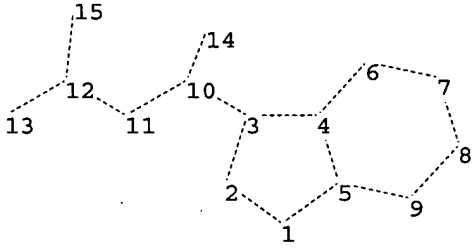
Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10749631.str





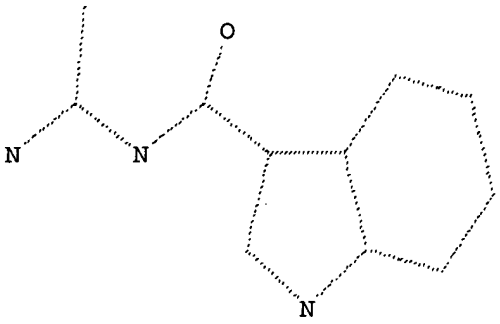
chain nodes :
10 11 12 13 14 15
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
3-10 10-11 10-14 11-12 12-13 12-15
ring bonds :
1-2 1-5 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9
exact/norm bonds :
1-2 1-5 2-3 3-4 3-10 4-5 4-6 5-9 6-7 7-8 8-9 10-11 10-14 11-12 12-13
12-15
isolated ring systems :
containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 13:15:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 18 TO ITERATE

100.0% PROCESSED 18 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 106 TO 614
PROJECTED ANSWERS: 6 TO 266

L2 6 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 13:15:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 327 TO ITERATE

100.0% PROCESSED 327 ITERATIONS 90 ANSWERS
SEARCH TIME: 00.00.01

L3 90 SEA SSS FUL L1

=> s l3 and caplus/lc
49698714 CAPLUS/LC
L4 82 L3 AND CAPLUS/LC

=> s l3 not l4
L5 8 L3 NOT L4

=> d l5 1-8

L5 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 785024-43-3 REGISTRY
ED Entered STN: 21 Nov 2004
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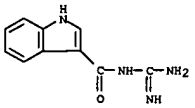
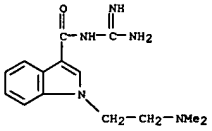
FS 3D CONCORD
MF C10 H10 N4 O
CI COM
SR CA



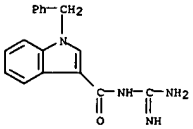
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 779301-18-7 REGISTRY
ED Entered STN: 12 Nov 2004
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[2-(dimethylamino)ethyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H19 N5 O
CI COM
SR CA



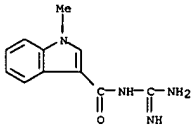
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 748108-70-5 REGISTRY
ED Entered STN: 19 Sep 2004
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(phenylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H16 N4 O
CI COM
SR CA



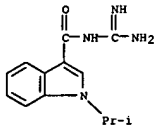
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 741229-86-7 REGISTRY
ED Entered STN: 08 Sep 2004
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H12 N4 O
CI COM
SR CA



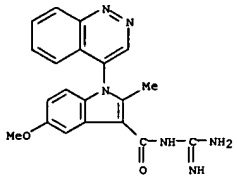
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 738561-74-5 REGISTRY
ED Entered STN: 03 Sep 2004
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(1-methylethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H16 N4 O
CI COM
SR CA



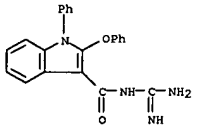
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 649550-39-0 REGISTRY
ED Entered STN: 12 Feb 2004
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(4-cinnolinyl)-5-methoxy-2-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H18 N6 O2
CI COM
SR CA



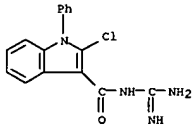
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 167630-86-6 REGISTRY
ED Entered STN: 14 Sep 1995
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-2-phenoxy-1-phenyl- (9CI) (CA INDEX NAME)
MF C22 H18 N4 O2
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2006 ACS on STN
RN 167630-84-4 REGISTRY
ED Entered STN: 14 Sep 1995
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-2-chloro-1-phenyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H13 Cl N4 O
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> fil caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	187.34	187.55

FILE 'CAPLUS' ENTERED AT 13:16:02 ON 10 FEB 2006
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FILE COVERS 1907 - 10 Feb 2006 VOL 144 ISS 8
FILE LAST UPDATED: 9 Feb 2006 (20060209/ED)

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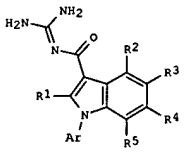
=> d his

L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:60495 CAPLUS
DOCUMENT NUMBER: 140:128292
TITLE: Preparation of 3-guanidinocarbonyl-1-heteroaryl-indoles for treating or preventing diseases which are related to NHE (sodium-proton exchanger)
INVENTOR(S): Kleemann, Heinz-Werner; Carry, Jean-Christophe; Desmazeau, Pascal; Mignani, Serge; Bouquerel, Jean; Genevois-Borella, Arielle; Ronan, Baptiste
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004007480	A1	20040122	WO 2003-EP7024	20030702
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2842526	A1	20040123	FR 2002-8949	20020716
CA 2492427	AA	20040122	CA 2003-2492427	20030702
EP 1523481	A1	20050420	EP 2003-763686	20030702
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003013188	A	20050621	BR 2003-13188	20030702
JP 2006502989	T2	20060126	JP 2004-520459	20030702
US 2005026989	A1	20050203	US 2003-749630	20031231
PRIORITY APPLN. INFO.:			FR 2002-8949 A	20020716
			WO 2003-EP7024 W	20030702

OTHER SOURCE(S): MARPAT 140:128292
GI



I

AB The title compds. [I; R1 = H, alkyl; R2 = H, alkyl, halo, etc.; R3, R4 = H, alkyl, halo, alkoxy, OH; R5 = H, halo; Ar = 9-10 membered bicyclic heteroaryl having 1-3 N atoms], which are suitable for example as antiarrhythmic medicaments with cardioprotective component for infarction prophylaxis and infarction treatment and for the treatment of angina pectoris, were prepd. and formulated. They also inhibit in a preventive manner the pathophysiol. processes assocd. with the development of ischemia-induced damage, in particular in the triggering of ischemia-induced cardiac arrhythmias and of heart failure. E.g., a 4-step synthesis of I.HCl [R1-R5 = H; Ar = isoquinol-1-yl] which showed IC50 of 0.014 μM against NHE1 subtype, was given.

IT **649550-23-2P 649550-24-3P 649550-25-4P**
649550-26-5P 649550-27-6P 649550-28-7P
649550-29-8P 649550-30-1P 649550-31-2P
649550-32-3P 649550-33-4P 649550-34-5P
649550-35-6P 649550-36-7P 649550-37-8P
649550-38-9P 649550-40-3P 649550-41-4P
649550-42-5P 649550-43-6P 649550-44-7P
649550-45-8P 649550-46-9P 649550-47-0P
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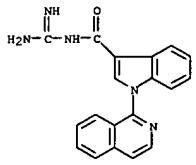
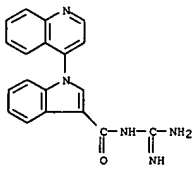
649550-51-6P 649550-52-7P 649550-53-8P
649550-54-9P 649550-55-0P 649550-56-1P
649550-57-2P 649550-58-3P 649550-59-4P
649550-60-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 3-guanidinocarbonyl-1-heteroaryl-indoles for treating or preventing diseases which are related to sodium-proton exchanger (NHE))

RN 649550-23-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(1-isoquinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



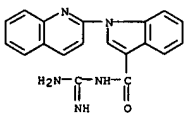
● HCl

RN 649550-24-3 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(4-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 649550-25-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(2-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 649550-26-5 CAPLUS
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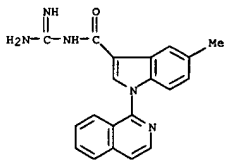
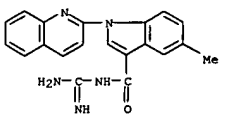


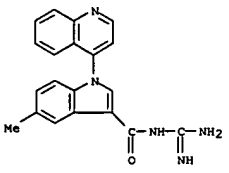
● HCl

RN 649550-27-6 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-5-methyl-1-(2-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



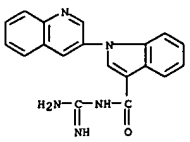
● HCl

RN 649550-28-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-5-methyl-1-(4-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



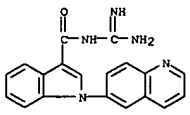
● HCl

RN 649550-29-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(3-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



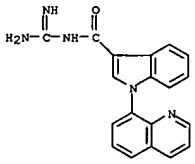
● HCl

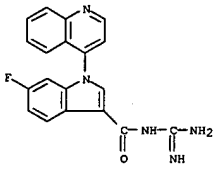
RN 649550-30-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

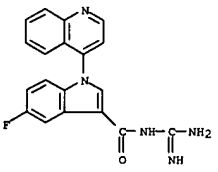
RN 649550-31-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(8-quinolinyl)- (9CI) (CA INDEX NAME)





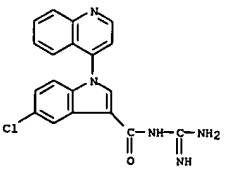
● HCl

RN 649550-35-6 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-5-fluoro-1-(4-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

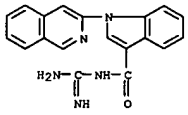


● HCl

RN 649550-36-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-5-chloro-1-(4-quinolinyl)- (9CI) (CA INDEX NAME)

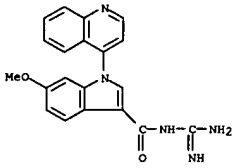


RN 649550-32-3 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(3-isoquinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

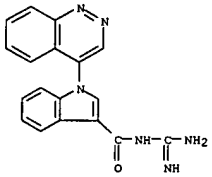
RN 649550-33-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-6-methoxy-1-(4-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 649550-34-5 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-6-fluoro-1-(4-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)

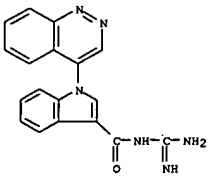
RN 649550-37-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(4-cinnolinyl)- (9CI) (CA INDEX NAME)



RN 649550-38-9 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(4-cinnolinyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 649550-37-8
CMF C18 H14 N6 O



CM 2

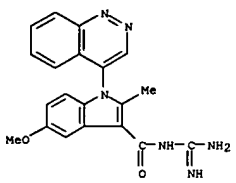
CRN 76-05-1
CMF C2 H F3 O2

RN 649550-40-3 CAPLUS

L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 1H-Indole-3-carboxamide,
N-(aminoiminomethyl)-1-(4-cinnolinyl)-5-methoxy-2-
methyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

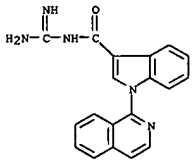
CRN 649550-39-0
CMF C20 H18 N6 O2



CM 2

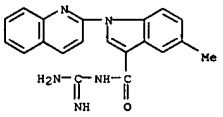
CRN 76-05-1
CMF C2 H F3 O2

RN 649550-41-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(1-isoquinolinyl)- (9CI)
(CA INDEX NAME)

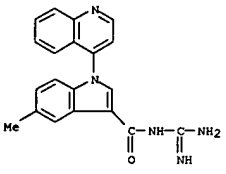


RN 649550-42-5 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(4-quinolinyl)- (9CI)
(CA
INDEX NAME)

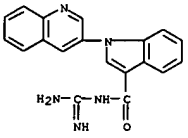
L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 649550-46-9 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-5-methyl-1-(4-quinolinyl)-
(9CI) (CA INDEX NAME)

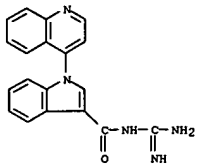


RN 649550-47-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(3-quinolinyl)- (9CI)
(CA
INDEX NAME)

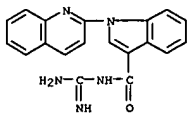


RN 649550-48-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-quinolinyl)- (9CI)
(CA
INDEX NAME)

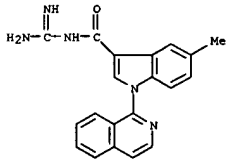
L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 649550-43-6 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(2-quinolinyl)- (9CI)
(CA
INDEX NAME)

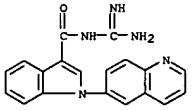


RN 649550-44-7 CAPLUS
CN 1H-Indole-3-carboxamide,
N-(aminoiminomethyl)-1-(1-isoquinolinyl)-5-methyl-
(9CI) (CA INDEX NAME)

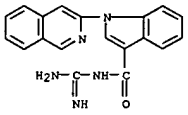


RN 649550-45-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-5-methyl-1-(2-quinolinyl)-
(9CI) (CA INDEX NAME)

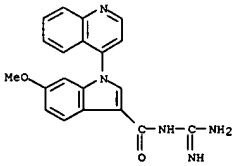
L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



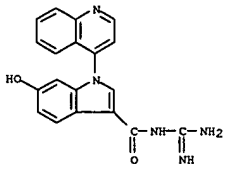
RN 649550-49-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(3-isoquinolinyl)- (9CI)
(CA INDEX NAME)



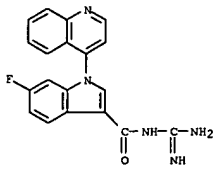
RN 649550-50-5 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-6-methoxy-1-(4-quinolinyl)-
(9CI) (CA INDEX NAME)



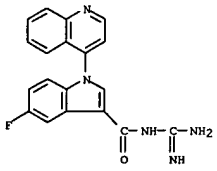
RN 649550-51-6 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-6-hydroxy-1-(4-quinolinyl)-
(9CI) (CA INDEX NAME)



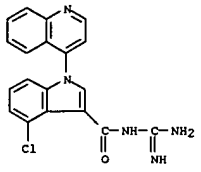
RN 649550-52-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-6-fluoro-1-(4-quinolinyl)-(9CI) (CA INDEX NAME)



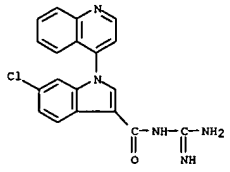
RN 649550-53-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-5-fluoro-1-(4-quinolinyl)-(9CI) (CA INDEX NAME)



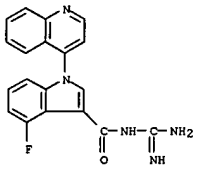
RN 649550-54-9 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-4-chloro-1-(4-quinolinyl)-(9CI) (CA INDEX NAME)



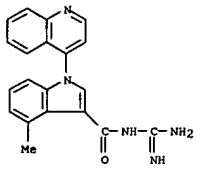
RN 649550-55-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-6-chloro-1-(4-quinolinyl)-(9CI) (CA INDEX NAME)



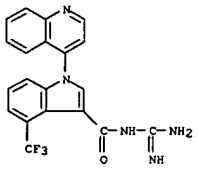
RN 649550-56-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-4-fluoro-1-(4-quinolinyl)-(9CI) (CA INDEX NAME)



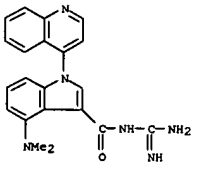
RN 649550-57-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-4-methyl-1-(4-quinolinyl)-(9CI) (CA INDEX NAME)



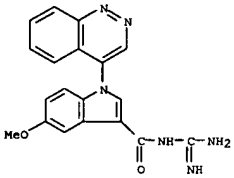
RN 649550-58-3 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(4-quinolinyl)-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 649550-59-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-4-(dimethylamino)-1-(4-quinolinyl)- (9CI) (CA INDEX NAME)



RN 649550-60-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(4-cinnolinyl)-5-methoxy-(9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

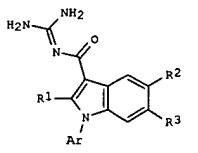
L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:60494 CAPLUS
DOCUMENT NUMBER: 140:128291
TITLE: Preparation of 3-guanidinocarbonyl-1-heteroaryl-indoles for treating or preventing diseases which are related to sodium-proton exchanger (NHE)
INVENTOR(S): Kleemann, Heinz-Werner; Carry, Jean-Christophe; Desmazeau, Pascal; Mignani, Serge; Bouquerel, Jean; Genevois-Borella, Arielle; Ronan, Baptiste
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004007479	A1	20040122	WO 2003-EP7023	20030702
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2842525	A1	20040123	FR 2002-8948	20020716
FR 2842525	B1	20050513		
CA 2492421	AA	20040122	CA 2003-2492421	20030702
BR 2003012701	A	20050426	BR 2003-12701	20030702
EP 1530566	A1	20050518	EP 2003-763685	20030702
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006501190	T2	20060112	JP 2004-520458	20030702
US 2004214820	A1	20041028	US 2003-749631	20031231

PRIORITY APPLN. INFO.: FR 2002-8948 A 20020716
WO 2003-EP7023 W 20030702

OTHER SOURCE(S): MARPAT 140:128291
GI



I

AB The title compds. [I; R1 = H, alkyl; R2, R3 = H, alkyl, halo, alkoxy, OH;

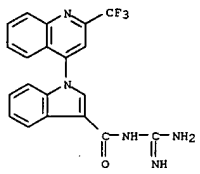
L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

Ar = (un)substituted 9-10 membered bicyclic heteroaryl having 1-3 N atoms]

which are suitable for example as antiarrhythmic medicaments with a cardioprotective component for infarction prophylaxis and infarction treatment and for the treatment of angina pectoris, were prepd. and formulated. They also inhibit in a preventive manner the pathophysiol. processes assocd. with the development of ischemia-induced damage, in particular in the triggering of ischemia-induced cardiac arrhythmias and of heart failure. E.g., a 4-step synthesis of I.HCl [R1-R3 = H; Ar = 2-trifluoromethylquinolin-4-yl] which showed IC50 of 2.36 μM for the NHE-1 subtype, was given.

IT **649538-65-8P 649538-66-9P 649538-67-0P**
649538-68-1P 649538-69-2P 649538-70-5P
649538-71-6P 649538-72-7P 649538-73-8P
649538-74-9P 649538-75-0P 649538-76-1P
649538-77-2P 649538-78-3P 649538-79-4P
649538-80-7P 649538-81-8P 649538-82-9P
649538-83-0P 649538-84-1P 649538-85-2P
649538-86-3P 649538-87-4P 649538-88-5P
649538-89-6P 649538-90-9P 649538-91-0P
649538-92-1P 649538-93-2P 649538-94-3P
649538-95-4P 649538-96-5P 649538-97-6P
649538-98-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 3-guanidinocarbonyl-1-heteroaryl-indoles for treating or preventing diseases which are related to sodium-proton exchanger (NHE))

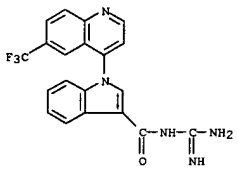
RN 649538-65-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[2-(trifluoromethyl)-4-quinolinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

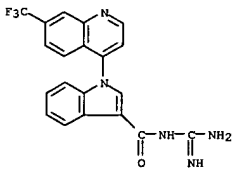
RN 649538-66-9 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[6-(trifluoromethyl)-4-quinolinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



● HCl

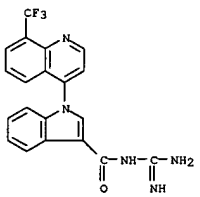
RN 649538-67-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[7-(trifluoromethyl)-4-quinolinyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

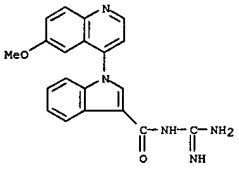
RN 649538-68-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[8-(trifluoromethyl)-4-quinolinyl]-, monohydrochloride (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



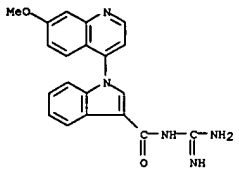
● HCl

RN 649538-69-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-methoxy-4-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



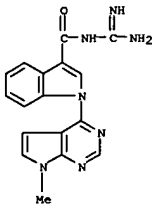
● HCl

RN 649538-70-5 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-methoxy-4-quinolinyl)-, monohydrochloride (9CI) (CA INDEX NAME)



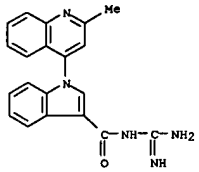
● HCl

RN 649538-71-6 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-methyl-7H-pyrrolo[2,3-d]pyrimidin-4-yl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

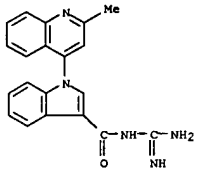
RN 649538-72-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(2-methyl-4-quinolinyl)-(9CI) (CA INDEX NAME)



RN 649538-73-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(2-methyl-4-quinolinyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

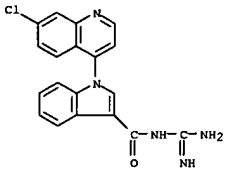
CRN 649538-72-7
CMF C20 H17 N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

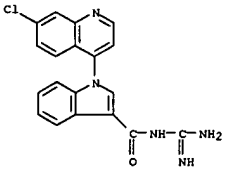
RN 649538-74-9 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-chloro-4-quinolinyl)-(9CI) (CA INDEX NAME)



RN 649538-75-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-chloro-4-quinolinyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

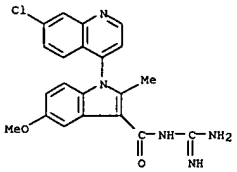
CRN 649538-74-9
CMF C19 H14 Cl N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

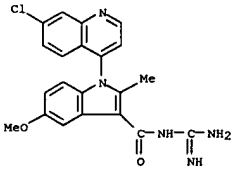
RN 649538-76-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-chloro-4-quinolinyl)-5-methoxy-2-methyl- (9CI) (CA INDEX NAME)



RN 649538-77-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-chloro-4-quinolinyl)-5-methoxy-2-methyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

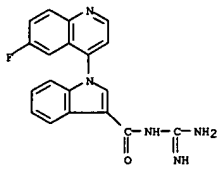
CRN 649538-76-1
CMF C21 H18 Cl N5 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2

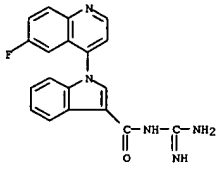
RN 649538-78-3 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-fluoro-4-quinolinyl)-(9CI) (CA INDEX NAME)



RN 649538-79-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-fluoro-4-quinolinyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

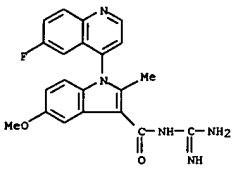
CRN 649538-78-3
CMF C19 H14 F N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

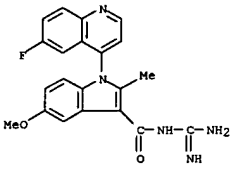
RN 649538-80-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-fluoro-4-quinolinyl)-5-methoxy-2-methyl- (9CI) (CA INDEX NAME)



RN 649538-81-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-fluoro-4-quinolinyl)-5-methoxy-2-methyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

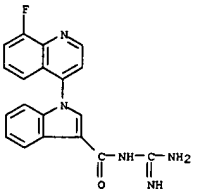
CRN 649538-80-7
CMF C21 H18 F N5 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2

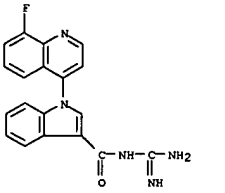
RN 649538-82-9 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(8-fluoro-4-quinolinyl)- (9CI) (CA INDEX NAME)



RN 649538-83-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(8-fluoro-4-quinolinyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

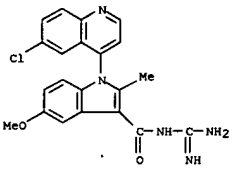
CRN 649538-82-9
CMF C19 H14 F N5 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

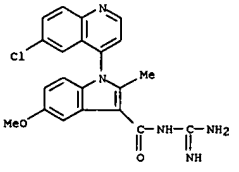
RN 649538-84-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-chloro-4-quinolinyl)-5-methoxy-2-methyl- (9CI) (CA INDEX NAME)



RN 649538-85-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-chloro-4-quinolinyl)-5-methoxy-2-methyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

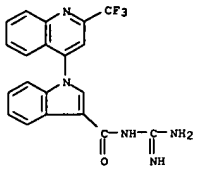
CRN 649538-84-1
CMF C21 H18 Cl N5 O2



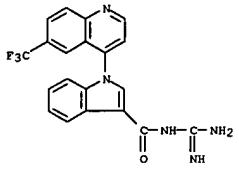
CM 2

CRN 76-05-1
CMF C2 H F3 O2

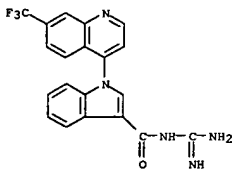
RN 649538-86-3 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[2-(trifluoromethyl)-4-quinolinyl]- (9CI) (CA INDEX NAME)



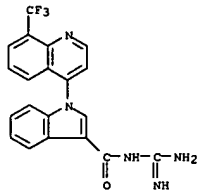
RN 649538-87-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[6-(trifluoromethyl)-4-quinolinyl]- (9CI) (CA INDEX NAME)



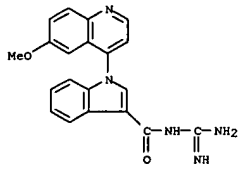
RN 649538-88-5 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[7-(trifluoromethyl)-4-quinolinyl]- (9CI) (CA INDEX NAME)



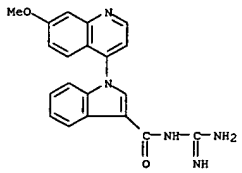
RN 649538-89-6 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[8-(trifluoromethyl)-4-quinolinyl]- (9CI) (CA INDEX NAME)



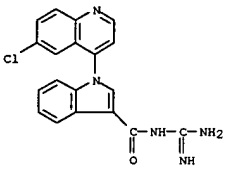
RN 649538-90-9 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-methoxy-4-quinolinyl)-(9CI) (CA INDEX NAME)



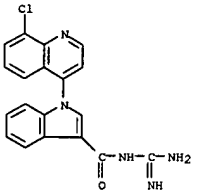
RN 649538-91-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-methoxy-4-quinolinyl)-(9CI) (CA INDEX NAME)



RN 649538-92-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-chloro-4-quinolinyl)-(9CI) (CA INDEX NAME)



RN 649538-93-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(8-chloro-4-quinolinyl)-(9CI) (CA INDEX NAME)



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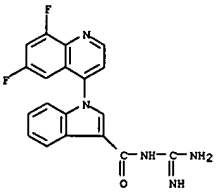
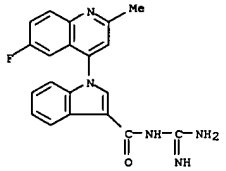
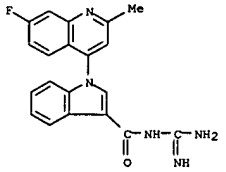
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6,8-difluoro-4-quinolinyl)- (9CI) (CA INDEX NAME)



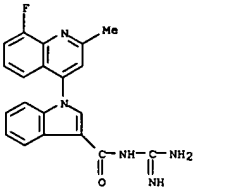
RN 649538-95-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(6-fluoro-2-methyl-4-quinolinyl)- (9CI) (CA INDEX NAME)



RN 649538-96-5 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-fluoro-2-methyl-4-quinolinyl)- (9CI) (CA INDEX NAME)

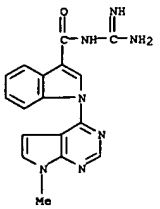


RN 649538-97-6 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(8-fluoro-2-methyl-4-quinolinyl)- (9CI) (CA INDEX NAME)



RN 649538-98-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(7-methyl-7H-pyrrolo[2,3-d]pyrimidin-4-yl)- (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

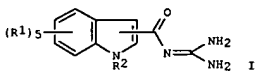
FORMAT

L6 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

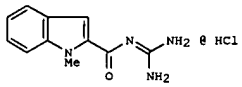
ACCESSION NUMBER: 2001:10088 CAPLUS
DOCUMENT NUMBER: 134:71491
TITLE: Indoloylguanidine derivatives useful as inhibitors of Na+/H+ exchanger activity.
INVENTOR(S): Kitano, Masahumi; Nakano, Kazuhiro; Yagi, Hideki; Ohashi, Naohito; Kojima, Atsuyuki; Noguchi, Tsuyoshi; Miyagishi, Akira
PATENT ASSIGNEE(S): Sumitomo Pharmaceuticals Co., Ltd., Japan
SOURCE: U.S., 69 pp., Cont.-in-part of U.S. Ser. No. 230,223, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6169107	B1	20010102	US 1995-544292	19951017
US 6248772	B1	20010619	US 2000-604826	20000627
PRIORITY APPLN. INFO.:			JP 1993-125085 A	19930428
			US 1994-230223 B2	19940420
			JP 1994-280025 A	19941018
			US 1995-544292 A3	19951017

OTHER SOURCE(S): MARPAT 134:71491
GI



I



II

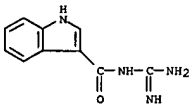
AB Indoloylguanidine derivs. I [R1 = H, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, halo, NO2, acyl, CO2H, alkoxycarbonyl, aromatic group, (un)substituted OH, NH2, SO2NH2, etc.; R2 = H, (un)substituted alkyl, cycloalkyl, OH, alkoxy, etc.] and their pharmaceutically acceptable acid addition salts inhibit Na+/H+ exchanger activity, and are consequently useful in the treatment or prevention of diseases caused by increased Na+/H+ exchanger activity. These include hypertension, arrhythmia, angina pectoris, cardiac hypertrophy, diabetes, disorders associated with ischemia or ischemic reperfusion, cerebro-ischemic disorders, and diseases caused by excessive cell proliferation. Over 250 synthetic examples and 22

L6 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

precursor prepns. are given, with bioassay results for most invention compds. For example, condensation of Me 1-methyl-2-indolecarboxylate with guanidine HCl in the presence of NaOMe at ≤ 130° gave, after chromatog. and salification, 30.8% title compd. II. In an assay for inhibition of ischemia-and-reperfusion-induced cardiac arrhythmia in rats, II at 0.3 mg/kg reduced mortality from 76% (control) to 0%, whereas EIPA [5-(N-ethyl-N-isopropyl)amiloride] reduced mortality to only 44% at the same dose.

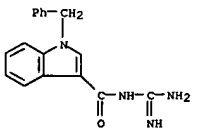
IT **167406-36-2P 167406-38-4P 167406-40-8P**
178050-47-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indoloylguanidine derivs. as Na+/H+ exchanger inhibitors)

RN 167406-36-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 167406-38-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

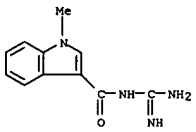


● HCl

RN 167406-40-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-methyl-, monohydrochloride

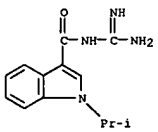
L6 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

(9CI) (CA INDEX NAME)



● HCl

RN 178050-47-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(1-methylethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

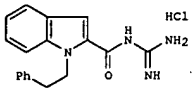


● HCl

REFERENCE COUNT: 85 THERE ARE 85 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L6 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:765868 CAPLUS
DOCUMENT NUMBER: 132:137245
TITLE: Synthesis and biological activity of N-(aminoiminomethyl)-1H-indole carboxamide derivatives as Na+/H+ exchanger inhibitors
AUTHOR(S): Kitano, Masafumi; Kojima, Atsuyuki; Nakano, Kazuhiro; Miyagishi, Akira; Noguchi, Tsuyoshi; Ohashi, Naohito
CORPORATE SOURCE: Research Center, Sumitomo Pharmaceuticals Co., Ltd, Osaka, 554-0022, Japan
SOURCE: Chemical & Pharmaceutical Bulletin (1999), 47(11), 1538-1548
CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

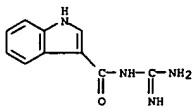


I

AB A series of N-(aminoiminomethyl)-1H-indole carboxamide derivs. were synthesized and their inhibitory potencies against the Na+/H+ exchanger were measured. Variation of the carbonylguanidine group at the 2- to 7-position of the indole ring system showed that a substitution at the 2-position improved the Na+/H+ exchanger inhibitory activity the most in vitro. This led to the synthesis and evaluation of an extensive series of N-(aminoiminomethyl)-1H-indole-2-carboxamide derivs. Derivs. having an alkyl or substituted alkyl group at the 1-position of the indole ring system showed higher levels of in vitro activities. N-(aminoiminomethyl)-1-(2-phenylethyl)-1H-indole-2-carboxamide I had the strongest activity.

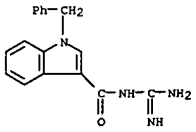
IT **167406-36-2P 167406-38-4P 167406-40-8P 178050-47-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of indole N-(aminoiminomethyl) carboxamide derivs. as inhibitors of the Na+/H+ exchanger)

RN 167406-36-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



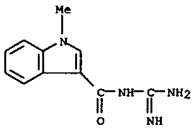
● HCl

RN 167406-38-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



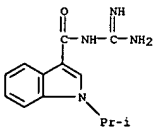
● HCl

RN 167406-40-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

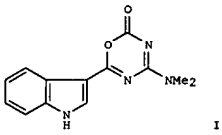
RN 178050-47-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(1-methylethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:111653 CAPLUS
DOCUMENT NUMBER: 126:236240
TITLE: Alboinon, an oxadiazinone alkaloid from the ascidian Dendrodoa grossularia
AUTHOR(S): Bergmann, Tanja; Schories, Dirk; Steffan, Bert
CORPORATE SOURCE: Inst. fuer Organische Chemie der Univ., Munchen, D-80333, Germany
SOURCE: Tetrahedron (1997), 53(6), 2055-2060
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

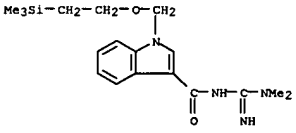


I

AB The ascidian Dendrodoa grossularia, collected in the Baltic Sea, contains the new 1,3,5-oxadiazin-2-one alkaloid alboinon (I).

IT **188307-20-2P**
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(alboinon isolation and structural characterization from Dendrodoa grossularia)

RN 188307-20-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-[(dimethylamino)iminomethyl]-1-[[2-(trimethylsilyl)ethoxy]methyl]- (9CI) (CA INDEX NAME)

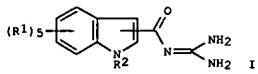


REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

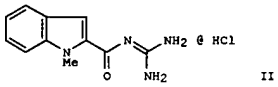
L6 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:379686 CAPLUS
DOCUMENT NUMBER: 125:58312
TITLE: Indoloylguanidine derivatives useful as inhibitors of Na+/H+ exchanger activity.
INVENTOR(S): Kitano, Masahumi; Nakano, Kazuhiro; Yagi, Hideki; Ohashi, Naohito; Kojima, Atsuyuki; Noguchi, Tsuyoshi; Miyagishi, Akira
PATENT ASSIGNEE(S): Sumitomo Pharmaceuticals Company, Limited, Japan
SOURCE: Eur. Pat. Appl., 99 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 708091	A1	19960424	EP 1995-307409	19951018
EP 708091	A3	19960717		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 08208602	A2	19960813	JP 1995-286772	19951006
CA 2160600	AA	19960419	CA 1995-2160600	19951016
CN 1136038	A	19961120	CN 1995-116169	19951017
CN 1067988	B	20010704		
TW 386991	B	20000411	TW 1995-84110984	19951018
PRIORITY APPLN. INFO.:			JP 1994-280025 A	19941018

OTHER SOURCE(S): MARPAT 125:58312
GI



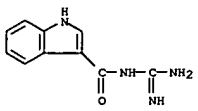
I



II

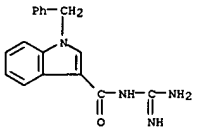
AB Indoloylguanidine derivs. I [R1 = H, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, halo, NO2, acyl, CO2H, alkoxycarbonyl, aromatic group, (un)substituted OH, NH2, SO2NH2, etc.; R2 = H, (un)substituted alkyl, cycloalkyl, OH, alkoxy, etc.] and their pharmaceutically acceptable acid addition salts inhibit Na+/H+ exchanger activity, and are consequently useful in the treatment or prevention of diseases caused by increased Na+/H+ exchanger activity. For example, condensation of Me 1-methyl-2-indolecarboxylate in the presence of NaOMe at ≤ 130° gave, after chromatog. and salification, 30.8% title compound II. In an assay for inhibition of ischemia-and-reperfusion-induced cardiac arrhythmia in rats,

L6 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
II at 0.3 mg/kg reduced mortality from 76% (control) to 0%, whereas EIPA [5-(N-ethyl-N-isopropyl)amiloride] reduced mortality to only 44% at the same dose.
IT **167406-36-2P 167406-38-4P 167406-40-8P**
178050-47-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indoloylguanidine derivs. as Na+/H+ exchanger inhibitors)
RN 167406-36-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



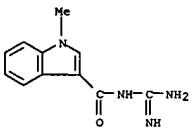
● HCl

RN 167406-38-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



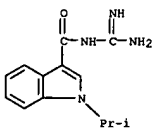
● HCl

RN 167406-40-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 178050-47-0 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(1-methylethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

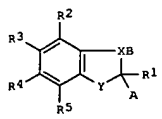


● HCl

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:787157 CAPLUS
DOCUMENT NUMBER: 123:256510
TITLE: Preparation of indolylcarbonylguanidines, benzofurylcarbonylguanidines, benzothienylcarbonylguanidines, benzimidazolylcarbonylguanidines, and related compounds as drugs and diagnostic agents.
INVENTOR(S): Lang, Hans Jochen; Weichert, Andreas; Schwark, Jan Robert; Scholz, wolfgang; Albus, Udo; Crause, Peter
PATENT ASSIGNEE(S): Hoechst A.-G., Germany
SOURCE: Eur. Pat. Appl., 36 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 639573	A1	19950222	EP 1994-111765	19940728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
DE 4326005	A1	19950209	DE 1993-4326005	19930803
DE 4414316	A1	19951026	DE 1994-4414316	19940425
PRIORITY APPLN. INFO.:			DE 1993-4326005 A	19930803
			DE 1994-4414316 A	19940425

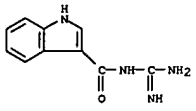
OTHER SOURCE(S): MARPAT 123:256510
GI



I

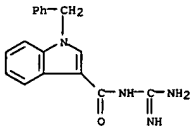
AB Title compds. [I; X = N, CR6; Y = O, S, NR7; A, B = H; AB = bond; 1 of R1-R6 = CON:C(NH2)2, the other of R1-R6 = H, F, Cl, Br, iodo, alkyl, ≤2 of R1-R6 = cyano, NO2, N3, alkoxy, CF3, etc.; R7 = H, alkyl, alkenyl, etc.], were prepared Thus, 3-chloro-5-fluoro-1-methylindolyl-2-carboxylic acid guanidide hydrochloride (synthetic outline given) inhibited rabbit erythrocyte Na+/H+-exchanger with IC50 = 3 + 10-8 M.
IT **167406-36-2P 167406-38-4P 167406-40-8P**
167406-41-9P 167630-85-5P 167630-87-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylcarbonylguanidines, benzofurylcarbonylguanidines, benzothienylcarbonylguanidines, benzimidazolylcarbonylguanidines, and related compds. as drugs)
RN 167406-36-2 CAPLUS

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



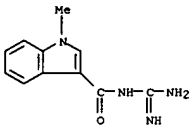
● HCl

RN 167406-38-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 167406-40-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-methyl-, monohydrochloride
(9CI) (CA INDEX NAME)

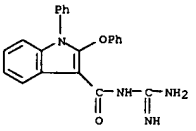


● HCl

RN 167406-41-9 CAPLUS

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

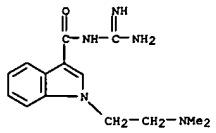
CRN 167630-86-6
CMF C22 H18 N4 O2



CM 2

CRN 75-75-2
CMF C H4 O3 S

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-[2-(dimethylamino)ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

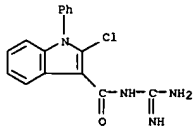


●2 HCl

RN 167630-85-5 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-2-chloro-1-phenyl-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 167630-84-4
CMF C16 H13 Cl N4 O



CM 2

CRN 75-75-2
CMF C H4 O3 S

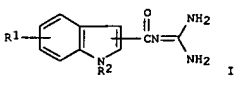
RN 167630-87-7 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-2-phenoxy-1-phenyl-, monomethanesulfonate (9CI) (CA INDEX NAME)

CM 1

L6 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:781759 CAPLUS
DOCUMENT NUMBER: 123:169498
TITLE: Indoloylguanidine derivatives as inhibitors of sodium-hydrogen exchange.
INVENTOR(S): Kojima, Atsuyuki; Kitano, Masahumi; Miyagishi, Akira; Noguchi, Tsuyoshi; Yagi, Hideki; Nakano, Kazuhiro; Ohashi, Naohito
PATENT ASSIGNEE(S): Sumitomo Pharmaceuticals Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 60 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

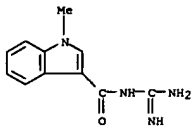
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 622356	A1	19941102	EP 1994-303101		19940428
EP 622356	B1	19980701			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE					
JP 07010839	A2	19950113	JP 1994-99363		19940412
JP 3162572	B2	20010508			
CA 2121391	AA	19941029	CA 1994-2121391		19940415
TW 402600	B	20000821	TW 1994-83103505		19940420
CN 1106800	A	19950816	CN 1994-105367		19940428
CN 1051301	B	20000412			
AT 167854	E	19980715	AT 1994-303101		19940428
ES 2117759	T3	19980816	ES 1994-303101		19940428
PRIORITY APPLN. INFO.:			JP 1993-125085	A	19930428

OTHER SOURCE(S): MARPAT 123:169498
GI



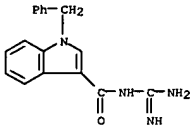
I

AB The title compds., N-(diaminomethylene)-1H-indolecarboxamides (indoloylguanidines) I (R1 = H, alkyl, alkenyl,etc.; R2 = H, alkyl, cycloalkyl, etc.) were disclosed as compds. that inhibit the Na+/H+ exchanger activity and are therefore useful in the treatment and prevention of disease caused by increased Na+/H+ exchanger activity.
IT **167406-40-8P 167477-42-1P 167477-43-2P**
167477-45-4P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of sodium channel blocker
N-({[(dimethylamino)methylene]indoleca
rboxamide)
RN 167406-40-8 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-methyl-, monohydrochloride
(9CI) (CA INDEX NAME)



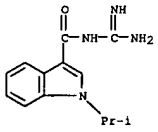
● HCl

RN 167477-42-1 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(phenylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)



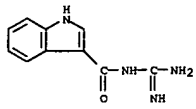
●x HCl

RN 167477-43-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(1-methylethyl)-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 167477-45-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-, hydrochloride (9CI) (CA INDEX NAME)

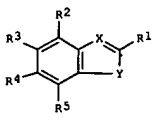


●x HCl

ACCESSION NUMBER: 1995:780271 CAPLUS
DOCUMENT NUMBER: 123:169492
TITLE: Preparation of benzo-condensed 5-ring heterocyclic sodium-channel blockers and their claimed pharmaceutical applications
INVENTOR(S): Lang, Hans Jochen; Weichert, Andreas; Schwark, Jan-Robert; Scholz, Wolfgang; Albus, Udo; Crause, Peter
PATENT ASSIGNEE(S): Hoechst A.-G., Germany
SOURCE: Ger. Offen., 13 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4326005	A1	19950209	DE 1993-4326005	19930803
EP 639573	A1	19950222	EP 1994-111765	19940728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
IL 110503	A1	20000629	IL 1994-110503	19940729
FI 9403579	A	19950204	FI 1994-3579	19940801
AU 9468844	A1	19950216	AU 1994-68844	19940801
AU 682371	B2	19971002		
CA 2129301	AA	19950204	CA 1994-2129301	19940802
NO 9402864	A	19950206	NO 1994-2864	19940802
ZA 9405734	A	19950307	ZA 1994-5734	19940802
JP 07145149	A2	19950606	JP 1994-198940	19940802
CN 1118347	A	19960313	CN 1994-109516	19940802
HU 70547	A2	19951030	HU 1994-2271	19940803
HU 218790	B	20001228		
US 5852046	A	19981222	US 1997-872180	19970610
PRIORITY APPLN. INFO.:			DE 1993-4326005 A	19930803
			DE 1994-4414316 A	19940425
			US 1994-282506 B2	19940801
			US 1995-459661 B1	19950602

OTHER SOURCE(S): MARPAT 123:169492
GI



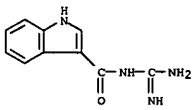
I

AB The title compds. [I; X = N, CR6; Y = O, S. NR7; 1 of R1-R6 may be CON:C(NH2)2 and the other R1-R6 = H, F, Cl, Br, I, C1-4 alkyl, and

≤2 of R1-R6 = CN, NO2, N3, alkoxy, CF3, etc.; R7 = H, C1-10 alkyl, C1-10 alkenyl, etc.] (e.g., 6-chloro-2-benzofuranylcarbonylguanidine hydrochloride; m.p. 272-274°), useful for inhibiting Na+/H+ exchange (no data), in the treatment of fibrotic diseases (no data), for cancer (no data), for the treatment or prophylaxis of ischemia (no data), for benign prostatic hypertrophy (no data), etc. (no data), are prepd.

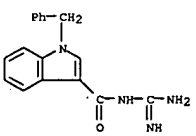
IT **167406-36-2P 167406-38-4P 167406-40-8P**
167406-41-9P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzo-condensed 5-ring heterocyclic sodium-channel blockers
and their claimed pharmaceutical application)

RN 167406-36-2 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 167406-38-4 CAPLUS
CN 1H-Indole-3-carboxamide, N-(aminoiminomethyl)-1-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 167406-40-8 CAPLUS
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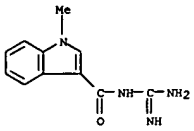
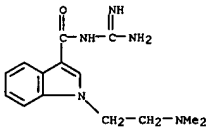
(9CI) (CA INDEX NAME)



● HCl

RN 167406-41-9 CAPLUS
CN 1H-Indole-3-carboxamide,
N-(aminoiminomethyl)-1-[2-(dimethylamino)ethyl]-,
dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	47.83	235.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.75	-6.75

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